



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

Regional Sediment Management (2010)

Status: **Project Manager:**

In Progress [Lynn Martin](#)

Purpose: This project supports implementation of the Regional Sediment Management (RSM) approach. Efforts include identifying and evaluating opportunities and applications, practices, tools, benefits and impediments to implementing this system approach. We assist districts and MSCs in application of system approaches to sediment-related issues and opportunities, and help to integrate the RSM approach into Civil Works business practices. We are assisting HQUSACE in developing policy, guidance and strategies for implementing the RSM approach. Ongoing efforts include outreach activities to both assist in RSM implementation and to engage external stakeholders in refining the concept and enhancing its application. RSM is a system-based approach for collaboratively addressing sediment-related issues within a regional context. Key to the RSM approach are: -- Using knowledge about the sediment system to provide the context for managing projects and activities involving sand and other sediments in coastal, river and estuarine systems. -- Recognition of sediment as a resource, integral to economic and environmental vitality, and with the multiple inter-related regional needs and opportunities. -- Management strategies that integrate: --- Actions that affect the transport, erosion, removal, and deposition of sediment in a region --- Temporal considerations of local project decisions on the sediment system and longer range strategies --- Coordinating programs and leveraging resources with other agencies and across levels of government and with the private sector help implement integrated sediment management plans.

Objective: The objective of the RSM approach is to achieve more effective management of dredged material and other sediment resources through regional management strategies that link the management of Corps projects within a sediment system, with one another, and with activities of other Federal agencies, State, and local governments. The objectives of the RSM Program are to examine, apply and evaluate opportunities, practices, tools, benefits and impediments to applying regional approaches to sediment management. Lessons from these experiences are used to assist the field in applying the approach and to assist HQUSACE in developing policy and guidance.

Benefits: Cost saving, habitat improvements, improved management of navigation channels, improved partnerships with Federal and state agencies, leveraged data collection and management. Extended dredged material disposal site capacity, retention of littoral sands and sediment. Projects involving sediment management that are economically and environmentally sustainable.

Progress: Planning for RSM Policy & Implementation Workshop 4/14-15/09. Draft RSM ER; Draft App F update of Sec 204 RSM per Sec 2037 WRDA '07

RSM Presentation at SWD Planning conference 3/09

Participation in the Gulf of Mexico Alliance, and assisting in the development of Gulf Region Sediment Management Master Plan.

Conference: "Managing Sediments in the Watershed: Bringing dredged material, sediment and watershed managers together," Portland, OR, Aug 07. Stakeholders met to discuss range of perspectives, and identify next steps to work together more in the future. Topics included: Maintaining the navigability of ports and waterways; Stakeholders met to hear their range of perspectives, and identify next steps for dredged material, sediment, and watershed managers to work together more in the future. ways; Protecting the environment; Conservation and restoration of estuaries and associated resources; Protecting water quality; Maintaining reservoir capacity ; Reducing flood and coastal storm damage; Managing watersheds; Managing coasts.

Products:

- [Authorities and Policies - ERDC/RSM-TN-8.](#)
- [Background and Overview](#)
- [Joint Corps-CSO Workshop Summary](#)
- [Managing Sediments in the Watershed - conference article](#)
- [Paper by Lynn Martin and Jeff Waters. Jul 1, 2006](#) (doc, 1.8 MB)
- [Paper by Lynn Martin. March 2006](#) (doc, 353 KB)
- [Paper by Lynn R. Martin. 06/7/2010](#) (doc, 124 KB)
- [Paper by Lynn R. Martin. Jan 29, 2008](#) (ppt, 1.2 MB)
- [Presentation by Dr. Jeff Waters. ERDC-CHL. 08/29/2006](#) (ppt, 13.5 MB)
- [Presentation by Lynn Martin. 01/27/2010](#) (ppt, 4.0 MB)
- [Presentation by Lynn Martin. 03/30/2010](#) (ppt, 6.5 MB)
- [Presentation by Lynn Martin. Aug 30, 2006](#) (pdf, 2.7 MB)
- [Presentation by Lynn R. Martin. 01/27/2010](#) (pdf, 2.4 MB)
- [Presentation by Lynn R. Martin. 03/24/2009](#) (ppt, 8.2 MB) (interim)
- [Presentation by Lynn R. Martin. 06/8/2010](#) (ppt, 898 KB)
- [Presentation by Lynn R. Martin. 06/7/2010](#) (pdf, 2.0 MB)
- [Report by National Dredging Team. 2007](#)
- [RSM Policy & Implementation Issues Workshop April 2009](#) (interim)
- [RSM Primer by Lynn Martin and Julie Rosati. May 2004](#)
- [White Paper by Linda Hicklin and Lynn Martin. October 2005](#) (doc, 706 KB)
- [Workshop](#)

**Related
Links:**

- [Regional Sediment Management](#) (*project web site*)
- [Coastal RSM Plan Ventura and Santa Barbara Counties](#)
- [Conference: Managing Sediments in the Watershed Agenda and Presentations](#)
- [Detroit District RSM](#)
- [Honolulu District RSM](#)
- [Mobile District RSM](#)
- [NY/NJ Harbor Estuary Program RSM Plan](#)
- [Paper by National Dredging Team, Dec 14, 2007](#)
- [RSM in Hawaii](#)
- [SANDAG RSM Plan](#)
- [Web Site by EPA](#)
- [Web Site by Lower Columbia Solutions Group](#)
- [Web Site by SANDAG](#)
- [Web Site by State of CA](#)

Partners:

- [ERDC Coastal and Hydraulics Laboratory](#)